

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/004272

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> C12N1/19, 15/54, C12Q1/18, G01N33/15, 33/50

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> C12N1/19, 15/54, C12Q1/18, G01N33/55, 33/50

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005  
Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CAPLUS (STN), JICST FILE (JOIS), BIOSIS/MEDLINE/WPIDS (STN)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	OCHIAI, N. et al., "Characterization of mutations in the two-component histidine kinase gene that confer fludioxonil resistance and osmotic sensitivity in the os-1 mutants of Neurospora crassa.", Pest.Manag.Sci., 2001, Vol.57, No.5, p.437-42	1-11
Y	M. OSHIMA et al., "A Point Mutation in the Two-Component Histidine Kinase BcOS-1 Gene Confers Dicarboximide Resistance in Field Isolates of Botrytis cinerea.", PHYTOPATHOLOGY, 2002, Vol.92, No.1, pages 75 to 80	1-11

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

07 April, 2005 (07.04.05)

Date of mailing of the international search report

26 April, 2005 (26.04.05)

Name and mailing address of the ISA/

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PCT/JP2005/004272

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	N. OCHIAI et al., "Effects of Iprodione and Fludioxonil on Glycerol Synthesis and Hyphal Development in Candida albicans", Biosci. Biotechnol. Biochem., 2002, Vol.66, No.10, pages 2209 to 2215	1-11
Y	WO 98/044148 A1 (MYCOTOX, INC.), 08 October, 1998 (08.10.98), Full description & AU 6770398 A	1-11
Y	YOSHIMI A. et al., "Cloning and characterization of the histidine kinase gene Dic1 from Cochliobolus heterostrophus that confers dicarboximide resistance and osmotic adaptation.", Mol. Genet. Genomics., Epub 30 January, 2004 (30.01.04), Vol.271, No.2, p.228-36.	1-11
Y	Takayuki MOTOYAMA et al., "Ineimochibyokin no Histidine Kinase o Kaishita Joho Dentatsukei no Kaiseiki", Nippon Nogei Kagakukai 2002 Nendo (Heisei 14 Nendo) Taikai Koen Yoshishu, 05 March, 2002 (05.03.02) Hakko, page 187, 3-5Dp16	1-11
Y	Makoto FUJIMURA, "Shijokin no Histidine Kinase Signal Dentatsu to Yakuzai Taisei", Nippon Noyaku Gakkaishi, 2003, Vol.28, No.4, pages 484 to 488	1-11
Y	JP 8-507441 A (THE SALK INSTITUTE BIOTECHNOLOGY/INDUSTRIAL ASSOCIATES, INC.), 13 August, 1996 (13.08.96), Claims 27, 28 & US 5837489 A & EP 688361 A & WO 94/20617 A2	1-11
P,X	EP 1415996 A2 (Sumitomo Chemical Co., Ltd.), 06 May, 2004 (06.05.04), & US 2004/013759 A	1-11
P,X	Takayuki MOTOYAMA et al., "Shijokin Yurai Histidine Kinase no Hatsugen ni yoru, Shijokin Tokuiteki Noyaku Kanjusei no Shutsuga Kobo no Sakusei", Nippon Nogei Kagakukai 2004 Nendo (Heisei 16 Nendo) Taikai Koen Yoshishu, 05 March, 2004 (05.03.04) Hakko, page 21, 2A06a08	1-11